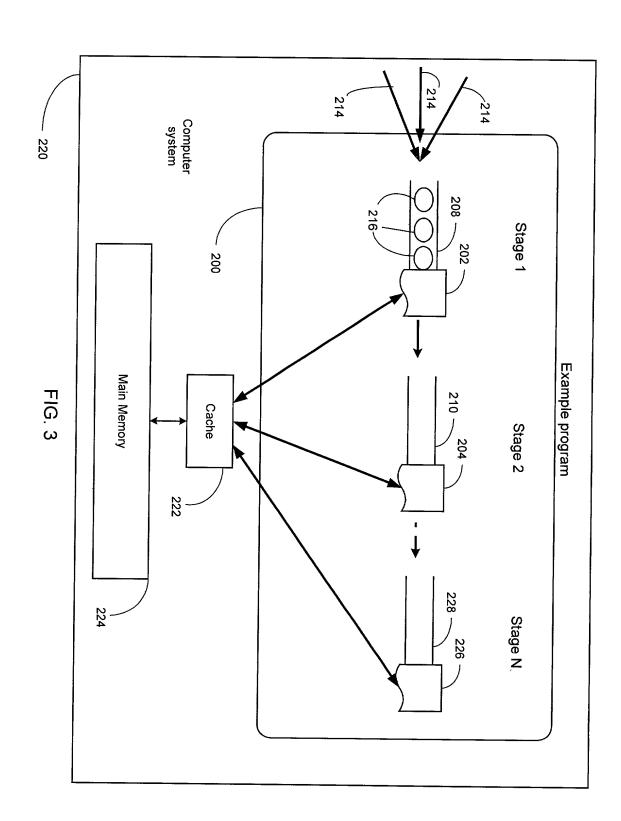
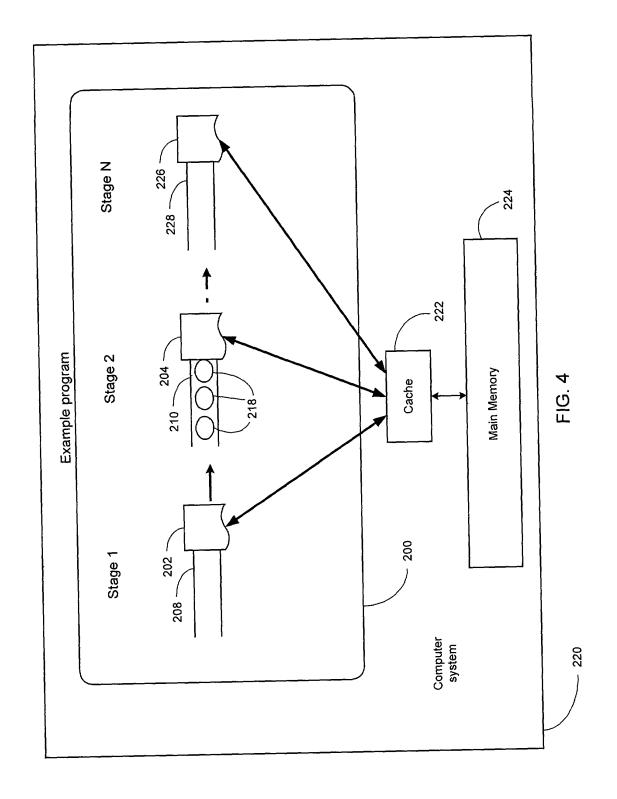


FIG. 2





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Stage associated with subtask 300a

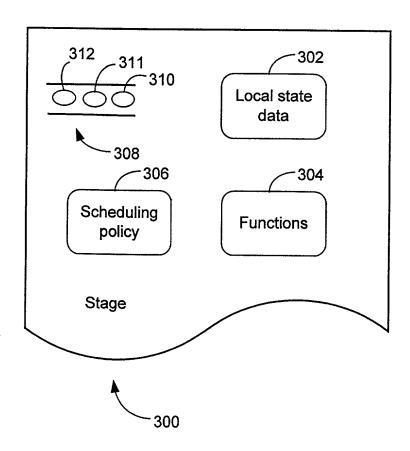


FIG. 6

FIG. 7a

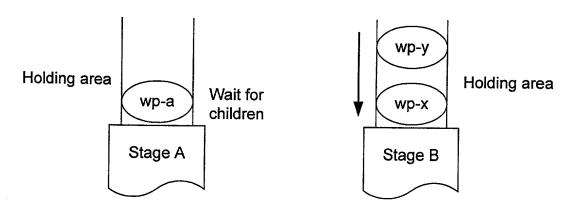


FIG. 7b

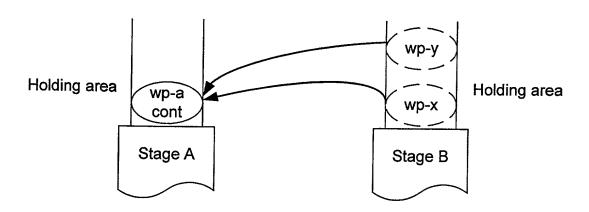


FIG. 7c

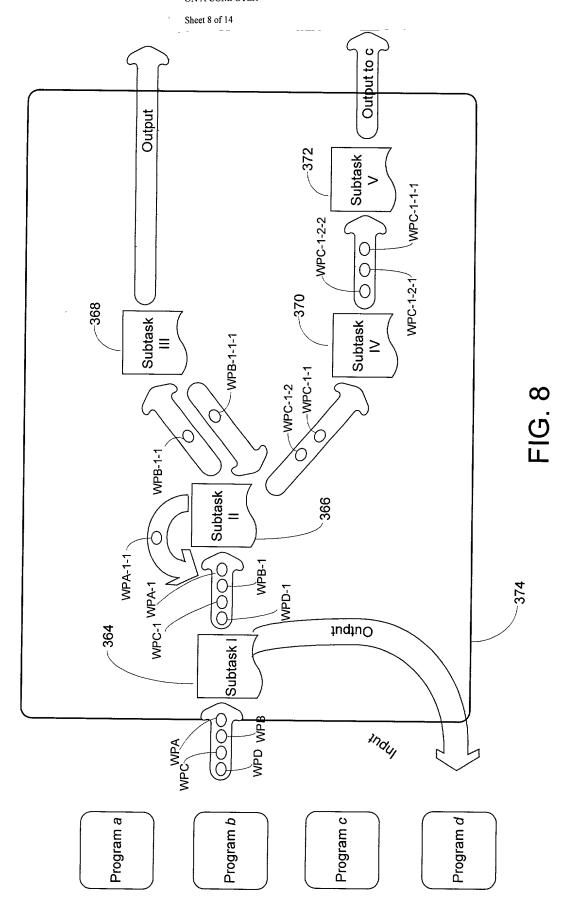


FIG. 9

FIG. 10

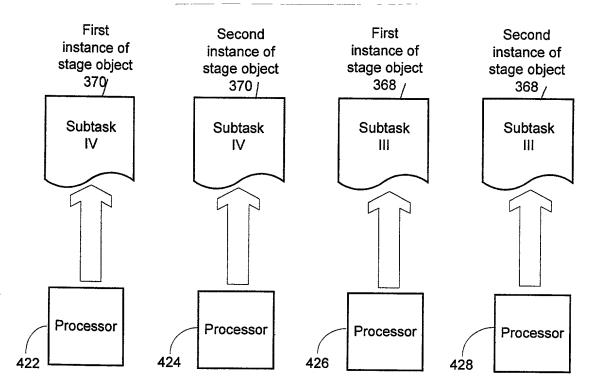


FIG. 11

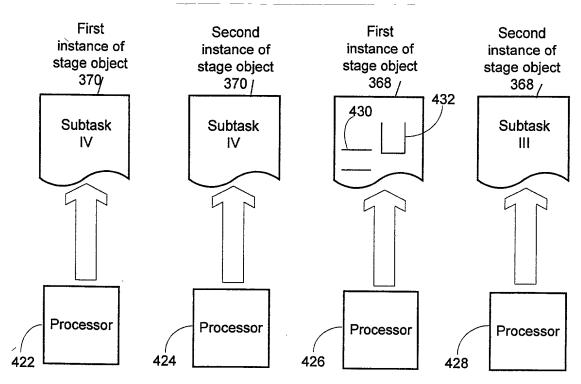


FIG. 12

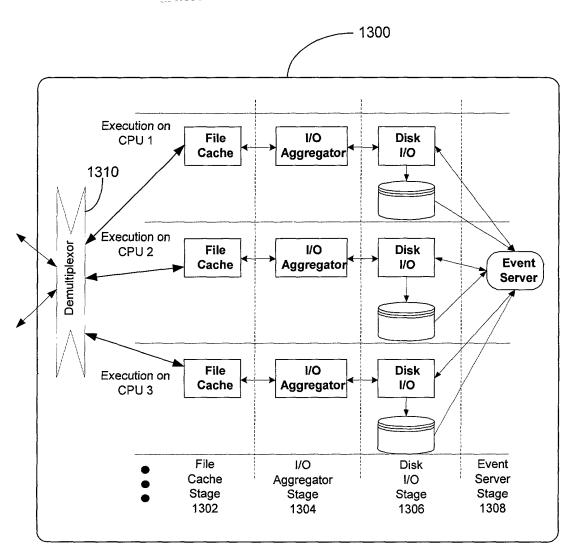


FIG. 13

```
const int MaxChildren= 4;
class MY_STAGE: public STAGE
public:
 MY_STAGE():
 STAGE ("HelloWorldStage", ExclusiveStage, False, 0, 0, DefaultTimer, True, StageBatchSize)
};
MY_STAGE MyStage;
                          // Instance of stage used to execute operations
class MY_PACKET: public CLOSURE<MY_PACKET>
public:
 RESULT<INT> Children[MaxChildren];
 int Number;
 MY_PACKET(): { }
 MY_PACKET(int NewNumber): Number(NewNumber) {printf("Creating new child %d\n",
Number);}
 // Parent Work Packet:
 ACTIONS StartChildren() {
  // Create the children and waiting for them to complete
  for (int Count=0; Count < MaxChildren; Count++) {</pre>
new(NewChild, &MyStage, NoPartitionKey, NoSessionKey, &Children[Count]) MY_PACKET(Count);
  return WaitForChildren(WakeAfterSleep);
 }
 // Parent Continuation:
 ACTIONS WakeAfterSleep() {
  // Make sure all children are done
  int Total = 0;
  for (int Count=0; Count < MaxChildren; Count ++) { Total += Children[Count]; }
  printf("\nAll children have finished.\n\n");
  printf("The total of 0 + 1 + 2 + 3 = %d\n\n", Total);
  // Quit
  return Complete();
 // Child Work Packet:
 ACTIONS NewChild() {
  // Code for a child, which just returns its index
  RESULT<int> Result = Number;
  printf("New child %d is now running\n", Number);
  return Complete(&Result);
 }
    };
```

FIG. 14